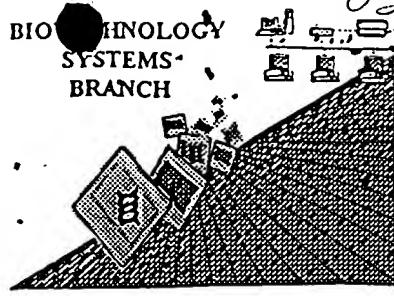


*m.m*

## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/990,659

Source: OIPE

Date Processed by STIC: 11/29/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:  
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER: 09/990,659</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPIIA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 <input type="checkbox"/> Wrapped Nucleic <input type="checkbox"/> Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino <input type="checkbox"/> Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 <input type="checkbox"/> "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences <input type="checkbox"/> (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences <input type="checkbox"/> (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's <input type="checkbox"/> (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> <input type="checkbox"/> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input checked="" type="checkbox"/> Use of <220>	Sequence(s) <u>1-2,5,7</u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 <input type="checkbox"/> "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n!	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/990,659

DATE: 11/29/2001  
TIME: 10:46:19

Input Set : A:\es.txt  
Output Set: N:\CRF3\11212001\I990659.raw

Op1-2,6

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Hillyard, Jeanna  
4 Roberts, James  
5 Ye, Minwei  
7 <120> TITLE OF INVENTION: Cotton Event PV-GHBK04 (757) and Compositions and Methods  
for Detection

8 Thereof  
10 <130> FILE REFERENCE: 38-21 (52288)B  
12 <140> CURRENT APPLICATION NUMBER: US/09/990,659  
12 <141> CURRENT FILING DATE: 2001-11-16

12 <150> PRIOR APPLICATION NUMBER: US60/249,757  
13 <151> PRIOR FILING DATE: 2000-11-17  
15 <160> NUMBER OF SEQ ID NOS: 21

17 <170> SOFTWARE: PatentIn version 3.0  
19 <210> SEQ ID NO: 1

20 <211> LENGTH: 20

21 <212> TYPE: DNA

22 <213> ORGANISM: artificial sequence

24 <220> FEATURE:

25 <221> NAME/KEY: misc\_feature

26 <222> LOCATION: (1)..(20)

W--> 28 <223> OTHER INFORMATION:

28 <400> SEQUENCE: 1

29 gtttgcttgg acactgatag

32 <210> SEQ ID NO: 2

33 <211> LENGTH: 20

34 <212> TYPE: DNA

35 <213> ORGANISM: artificial sequence

37 <220> FEATURE:

38 <221> NAME/KEY: misc\_feature

39 <222> LOCATION: (1)..(20)

W--> 41 <223> OTHER INFORMATION: same error

41 <400> SEQUENCE: 2

42 aaaccctttc tggaaaaata

45 <210> SEQ ID NO: 3

46 <211> LENGTH: 20

47 <212> TYPE: DNA

48 <213> ORGANISM: Gossypium hirsutum

50 <220> FEATURE:

51 <221> NAME/KEY: misc\_feature

52 <222> LOCATION: (1)..(20)

54 <400> SEQUENCE: 3

55 tgttctgtgg aaaaggaagg

58 <210> SEQ ID NO: 4

59 <211> LENGTH: 20

60 <212> TYPE: DNA

61 <213> ORGANISM: Gossypium hirsutum

63 <220> FEATURE:

64 <221> NAME/KEY: misc\_feature

This numeric identifier and response  
are  
mandatory  
wherever  
<213> response  
is Unknown  
or is

20 Artificial  
Sequence  
(see item  
11 on  
Error

20  
summary  
sheet)

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/990,659

DATE: 11/29/2001  
TIME: 10:46:19

Input Set : A:\es.txt  
Output Set: N:\CRF3\11212001\I990659.raw

65 <222> LOCATION: (1)..(20)  
67 <400> SEQUENCE: 4  
68 atgcctgcag gtcaattcaa 20  
71 <210> SEQ ID NO: 5  
72 <211> LENGTH: 138  
73 <212> TYPE: DNA  
74 <213> ORGANISM: *artificial sequence*  
76 <220> FEATURE:  
77 <221> NAME/KEY: misc\_feature  
78 <222> LOCATION: (1)..(138)  
W--> 80 <223> OTHER INFORMATION:  
80 <400> SEQUENCE: 5  
81 acactgata tag tttaaactga aggccggaaa cgacaatctg atcccaagctt gcatgcctgc 60  
83 agtcaattc aatattgtgg caggacattt ctacatgata cctcttagaa ttgttttagac 120  
85 ttcagatcga tcttgta 138  
88 <210> SEQ ID NO: 6  
89 <211> LENGTH: 767  
90 <212> TYPE: DNA  
91 <213> ORGANISM: *Gossypium hirsutum*  
93 <220> FEATURE:  
94 <221> NAME/KEY: Unsure  
95 <222> LOCATION: (1)..(767)  
96 <223> OTHER INFORMATION: 5' cotton (*Gossypium hirsutum*) genome sequence  
99 <400> SEQUENCE: 6  
100 gtcccgaaaa cttatcctgt attcatttgc acccacataa acagccaaat taaccaaacc 60  
102 catattcaac tgaaactccc aaagccattc ctacttttagc tttcaccca ctaactcaaa 120  
104 agaaaacact caccttagttt ctttgctttt tctttttggat tgtttttagat ctacaaaaag 180  
106 atgattcaag aactccttgg aggttcttct tgcttaaact ttggaggggg gaggaaagatc 240  
108 tccatcaatg gaagcattttt ggaaggaacc cccacttctt ctccatcacc atcatcttct 300  
110 tcttccttcgg cgacgacttc atcgaccact aattcatgaa atccggagaa tcattcaccag 360  
112 aatttggagggt gccccagggtg tgattcctcc aacacaaaatg tctgcttata caacaactac 420  
114 aacctcaactc agcctcgta cttttgcag acttgcgtc ggtattggac caaaggagga 480  
116 gctctcagaa acgttccttat tgggtgggg tggtagaaaa acaaaaagcac tactgggttt 540  
118 tcaacatctc tggggaaatc aacttcttcc aagatggaaa cagtagtttgc tggaaattgg 600  
120 agatctgggt tcgatcatga gcttcagttt actccaaatc tttggacttc agccggccca 660  
122 acttcccattc ttctatccaa tctaaccctca atgagagctt ccctaaaccc taaccctaacc 720  
124 acattgtcta accctgttag tattaaaggaa gaagttagtt tgcttgg 767  
127 <210> SEQ ID NO: 7  
128 <211> LENGTH: 206  
129 <212> TYPE: DNA  
130 <213> ORGANISM: *artificial sequence*  
132 <220> FEATURE:  
133 <221> NAME/KEY: misc\_feature  
134 <222> LOCATION: (1)..(206)  
W--> 136 <223> OTHER INFORMATION:  
136 <400> SEQUENCE: 7  
137 tgagggatca agccacacgca gcccacttca ctttcttagcc gacccagacg agccaaggga 60  
139 tctttttggat atgctgttcc gtcgtcaggc tttccgacgt ttgggtggttt gaacagaagt 120  
141 cattatcgca cgaaatgcca agcactcccg agggaaaccc tttgggtggc atgcacataac 180

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/990,659

DATE: 11/29/2001  
TIME: 10:46:19

Input Set : A:\es.txt  
Output Set: N:\CRF3\11212001\I990659.raw

143 aaatggacga acggataaac ccttc 206  
 146 <210> SEQ ID NO: 8  
 147 <211> LENGTH: 307  
 148 <212> TYPE: DNA  
 149 <213> ORGANISM: *Gossypium hirsutum*  
 151 <220> FEATURE:  
 152 <221> NAME/KEY: Unsure  
 153 <222> LOCATION: (1)..(307)  
 154 <223> OTHER INFORMATION: 3' cotton (*Gossypium hirsutum*) genome sequence  
 157 <400> SEQUENCE: 8  
 158 tggaaaaata atcaacacca cgctcaacaa caacagaata ataatggtt cctttaggt 60  
 160 gaagttcaaa acacaggtat tcaagaactg tatcaaaggc tcaaattatc atcaagttat 120  
 162 tactctgata ctccagcgt aattctaagc aatgtcgctt cttcttcatt aacatccatt 180  
 164 ttggagtcaag ctccagttgc tgggggagaa ttgggttact ggaatccggc attttcatca 240  
 166 tcgtggtctg atcttccaac aactaatgtt gcatatcattt aaaaataaccc tttaccttc 300  
 168 gtttaat 307  
 171 <210> SEQ ID NO: 9  
 172 <211> LENGTH: 26  
 173 <212> TYPE: DNA  
 174 <213> ORGANISM: artificial sequence  
 176 <220> FEATURE:  
 177 <221> NAME/KEY: misc\_feature  
 178 <222> LOCATION: (1)..(26)  
 179 <223> OTHER INFORMATION: 5' cotton (*Gossypium hirsutum*) genome PCR primer  
 182 <400> SEQUENCE: 9  
 183 gagagagata ggcactaaag taagca 26  
 186 <210> SEQ ID NO: 10  
 187 <211> LENGTH: 28  
 188 <212> TYPE: DNA  
 189 <213> ORGANISM: artificial sequence  
 191 <220> FEATURE:  
 192 <221> NAME/KEY: misc\_feature  
 193 <222> LOCATION: (1)..(28)  
 194 <223> OTHER INFORMATION: 5' insert PCR primer  
 197 <400> SEQUENCE: 10  
 198 ttagacaaat tgtcacggtc taccagaa 28  
 201 <210> SEQ ID NO: 11  
 202 <211> LENGTH: 24  
 203 <212> TYPE: DNA  
 204 <213> ORGANISM: artificial sequence  
 206 <220> FEATURE:  
 207 <221> NAME/KEY: misc\_feature  
 208 <222> LOCATION: (1)..(24)  
 209 <223> OTHER INFORMATION: 3' insert PCR primer  
 212 <400> SEQUENCE: 11  
 213 ttcccaacga tcaaggcgag ttac 24  
 216 <210> SEQ ID NO: 12  
 217 <211> LENGTH: 27  
 218 <212> TYPE: DNA

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/990,659

DATE: 11/29/2001  
TIME: 10:46:19

Input Set : A:\es.txt  
Output Set: N:\CRF3\11212001\I990659.raw

219 <213> ORGANISM: artificial sequence  
 221 <220> FEATURE:  
 222 <221> NAME/KEY: misc\_feature  
 223 <222> LOCATION: (1)..(27)  
 224 <223> OTHER INFORMATION: 3' cotton (Gossypium hirsutum) genome PCR primer  
 227 <400> SEQUENCE: 12  
 228 ttgatgcact tacgaaaagaa gaaccga 27  
 231 <210> SEQ ID NO: 13  
 232 <211> LENGTH: 905  
 233 <212> TYPE: DNA  
 234 <213> ORGANISM: artificial sequence  
 236 <220> FEATURE:  
 237 <221> NAME/KEY: misc\_feature  
 238 <222> LOCATION: (1)..(905)  
 239 <223> OTHER INFORMATION: 5' cotton (Gossypium hirsutum) genome + insert sequence  
 242 <400> SEQUENCE: 13  
 243 gtcccggggg cttatcctgt attcatttgc acccacataa acagccaaat taaccaaacc 60  
 245 catattcaac tgaaactccc aaagccatc ctactttgc ttttcaccca ctaactcaaa 120  
 247 agaaaaacact cacctagctt ctttgcttt tctttggat tgtttttagat ctacaaaaag 180  
 249 atgattcaag aactccttgg aggttcttct tgcttaact ttggagggaa gagaagatc 240  
 251 tccatcaatg gaagcatttt ggaaggaacc cccacttctt ctccatcacc atcatcttct 300  
 253 tcttcttcgg cgacgacttc atcgacactt aattcatcga atccggagaa tcattcacc 360  
 255 aatttgggt gccccagggtg tgattcctcc aacacaaagt tctgttattt caacaactac 420  
 257 aacctcactc agcctcgta cttttgcag acttgcgtc ggtattggac caaaggagga 480  
 259 gctctcgaaa acgttccat tgggtgggg tggtagaaaa acaaaaagcac tactgggtt 540  
 261 tcaacatctc tggggaaatc aacttcttcc aagatggaaa cagtagttc tggaaatttgg 600  
 263 agatctgggt tgcatcatga gtttcgtt actccaaattc tttggacttc agggcccg 660  
 265 acttcccatc ttctatccaa tctaaccctca atgagagctt ccctaaaccc taaccctaac 720  
 267 acattgtcttta accctgttag tattaaggaa gaagtggat tgcttggaca ctgatagttt 780  
 269 aaactgaagg cgggaaacga caatctgttcc ccagcttgc tgcctgcagg tcaattcaat 840  
 271 attgtggcag gacattgttca catgataacct ctttagaattt ttttagacttc agatcgatct 900  
 273 tgtca 905  
 276 <210> SEQ ID NO: 14  
 277 <211> LENGTH: 513  
 278 <212> TYPE: DNA  
 279 <213> ORGANISM: artificial sequence  
 281 <220> FEATURE:  
 282 <221> NAME/KEY: misc\_feature  
 283 <222> LOCATION: (1)..(513)  
 284 <223> OTHER INFORMATION: 3' cotton (Gossypium hirsutum) genome + insert sequence  
 287 <400> SEQUENCE: 14  
 288 tgagggatca agccacagca gcccactcga ctttcttagcc gaccacagacg agccaaaggaa 60  
 290 tctttttggaa atgctgttcc gtcgtcaggc tttccgacgt ttgggtggtt gaacagaagt 120  
 292 cattatcgca cggaaatgcca agcaactcccg agggaaaccc tgggtttggc atgcacataac 180  
 294 aaatggacga acggataaac ctttcttgc aaaaataatca acaccacgtt caacaacaac 240  
 296 agaataataa tgggttcctt gtaggtgaag ttcaaaacac aggtatttcaaa gaactgtatc 300  
 298 aaaggctcaa atcatcatca agtttattact ctgataacttc agcagtaatt ctaagcaatg 360  
 300 tcgcttcttc ttcatcaaca tccatttgg agtcaactcc agttgctggg ggagaattgg 420  
 302 gttactggaa tccggcattt tcatcatgtt ggtctgatct tccaacaact aatggtgcatt 480

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/990,659

DATE: 11/29/2001  
TIME: 10:46:19

Input Set : A:\es.txt  
Output Set: N:\CRF3\11212001\1990659.raw

09/990, 659 6

<210> 20  
<211> 19  
<212> DNA  
<213> artificial sequence

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/990,659

DATE: 11/29/2001  
TIME: 10:46:20

Input Set : A:\es.txt  
Output Set: N:\CRF3\11212001\I990659.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:28 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:41 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:80 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:136 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:553 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20